

Preface

The papers collected together in this volume were presented to the attendees of the 5th International Conference on Recrystallization and Grain Growth held in Sydney in May 2013. The conference is the 5th in a series and follows on from the successes of the 1st joint conference on ReX & GG (Aachen, Germany), the 2nd conference (Annecy, France), the 3rd conference (Jeju Island, Korea) and the 4th conference (Sheffield, UK).

Recrystallization and grain growth are mechanisms that alter the microstructure without necessarily altering the phase. They are typically driven by high internal elastic and surface energies though sometimes other volumetric energy terms appear. The topic is important to materials engineers and scientists and geologists alike. The former typically aim to exert control over the phenomena for technological and economic benefit while the latter often seek in these mechanisms the answers to questions regarding events long gone.

The conference in Sydney welcomed more than 230 delegates from 30 different countries. The present proceedings represent a reviewed subset of the lectures presented. In addition to the authors, the organizers are very grateful for the time contributed by the 90 strong cohort of peer reviewers who helped shape this collection and bolster its quality. The papers contained herein represent the fine state of health of the discipline. Advances in theoretical understanding of the underlying physics continue hand-in-hand with progress in new technique development.

We would like here to recognise the joint awardees of the CS Smith award, inaugurated in 1998: Günter Gottstein & Lasar Shvindlerman. The CS Smith award is now awarded by the international committee of this conference series and it has a strong history of recipients:

- 1998 - William Mullins USA
- 2001 - Kurt Lücke, Germany
- 2004 - Mats Hillert, Sweden
- 2007 - John Humphreys, UK
- 2010 - Roger Doherty, USA
- 2013 - Günter Gottstein, Germany & Lasar Shvindlerman, Russia

It is with considerable sadness that we also acknowledge the recent loss of two very fine scientists in our field: Mike Sellars and Richard Penelle. The discipline is stronger for their contributions but weaker in consequence of their passing.

The conference Chairs would like to acknowledge the support of the local and international committees and also the indispensable financial support provided by the sponsors, all of whom are listed overleaf.

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